

PlugFest Review Webinar

19 November 2013

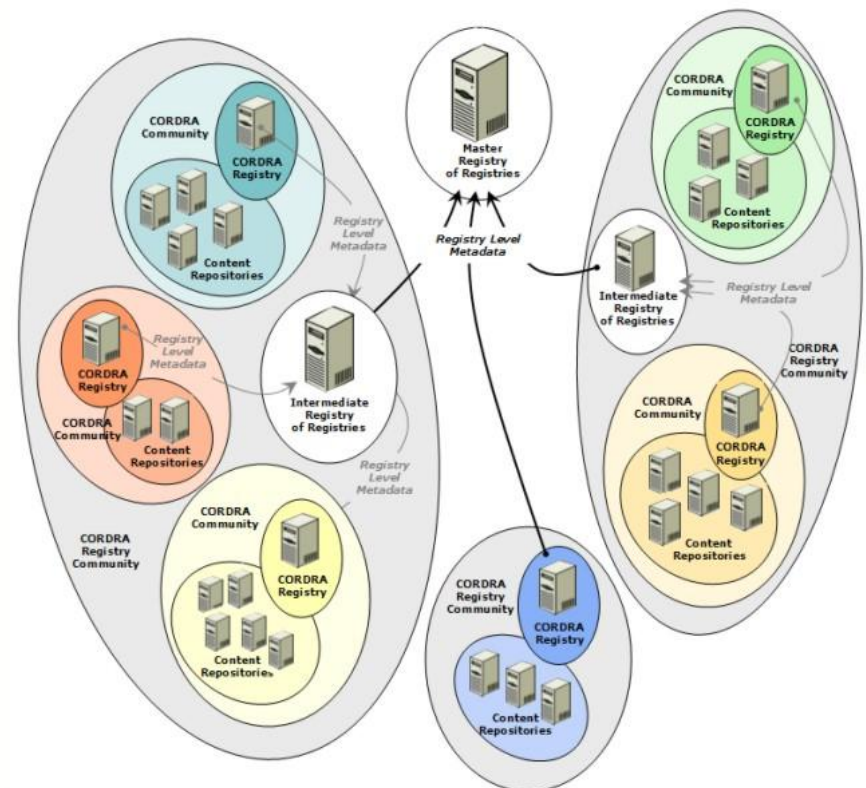
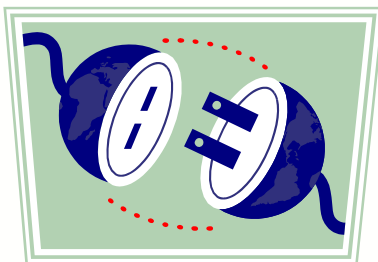
Nikolaus Hruska, Technical Team, ADL Co-Lab



Past SCORM PlugFests

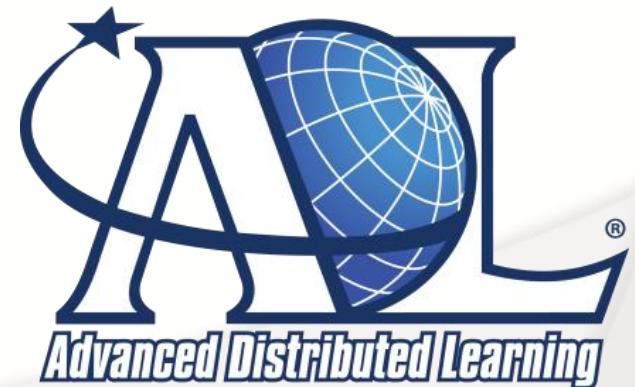


SCORMTM
Sharable Content Object Reference Model



Agenda

- What is a “PlugFest”?
- Why does ADL host PlugFest events?
- What activities and topics are covered?
- Who participates in the events?
- What is ADL’s role moving forward?
- “What’s next?”



What is a “PlugFest”?

- New product demonstrations
- Plug-and-Play sessions
- Technical discussions
- Introduction to ADL open source resources
- Tutorials on getting started with the xAPI
- Discussions on future direction and roadmap
- Networking with experts on the specification



Why Host a PlugFest?

- Present to stakeholders the variety of new tools
- Showcase vendor products
- Develop best practices for verbs/vocabularies, security implications, privacy issues
- Define specification areas requiring clarification
- Continue to expand the community
- Attract implementers of the xAPI
- Help shape ADL's R&D focus

What Were the Planned Activities?

- Product demonstrations from industry vendors
- ADL Technical Team demonstrations
- Product plug-and-play interoperability sessions
- Technical Discussions
- xAPI Resources
- Hands-on programming tutorials



Who Attended xAPI PlugFest?

- Community vendors with xAPI-enabled tools
- ADL stakeholders - the DoD, Services, and other Government Agencies
- ADL engineers and researchers
- “xAPI-Design Cohort” participants



The ADL Technical Team

What is the “xAPI-Design Cohort”?

- Team-based, DIY approach to using the xAPI
 - Define a business need
 - Draft a use case document
 - Design a solution
 - Develop the solution
- First 9-week xAPI-Design cohort completed
- New cohort starting in January 2014 (TBD)



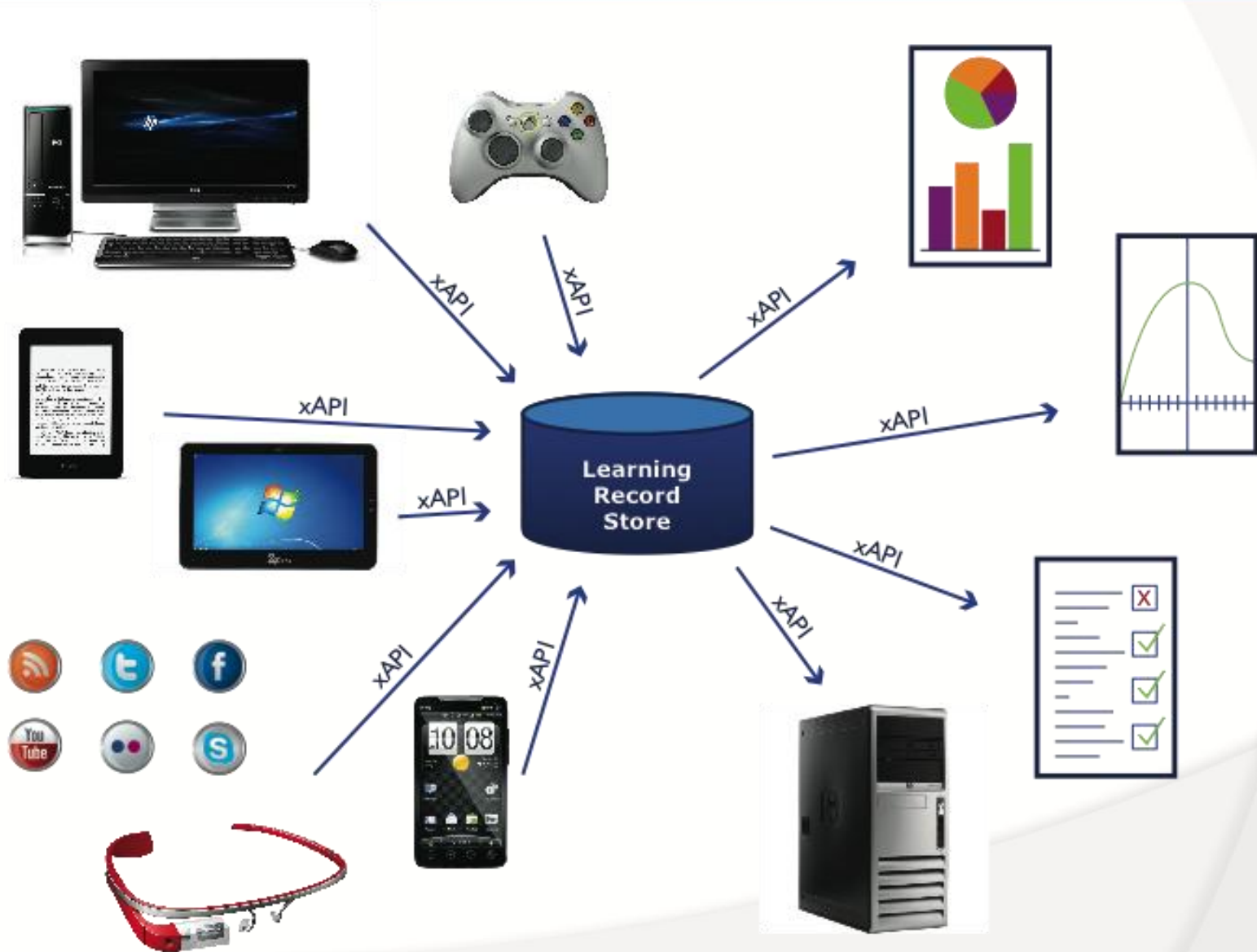
New Product Demos



- Twitter chat learning experience
- Blended learning with Mozilla Badges
- Security best practices topics (server side use)
- *LRS with IMS's LTI launching capability
- LRS/LMS hybrid systems
- Code libraries from the xAPI-Design groups

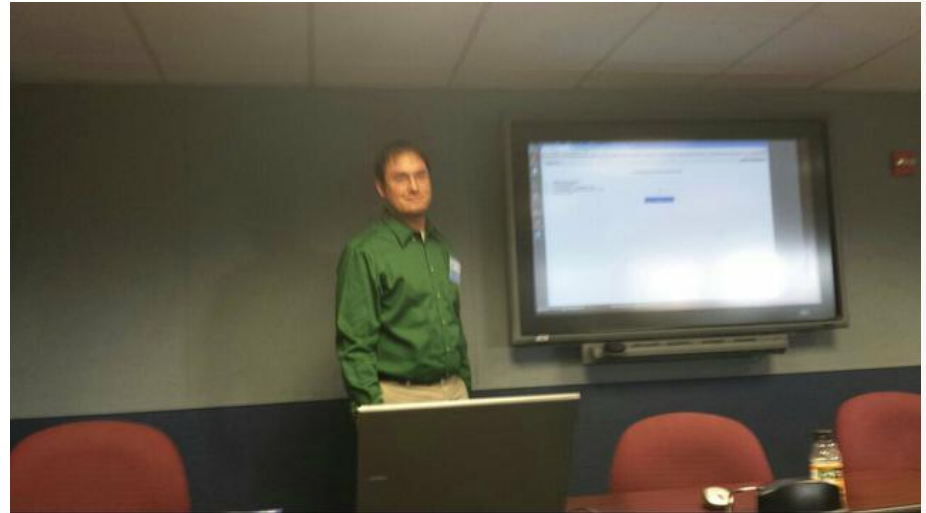
* - LRS = Learning Record Store

Learning Record Store (LRS)



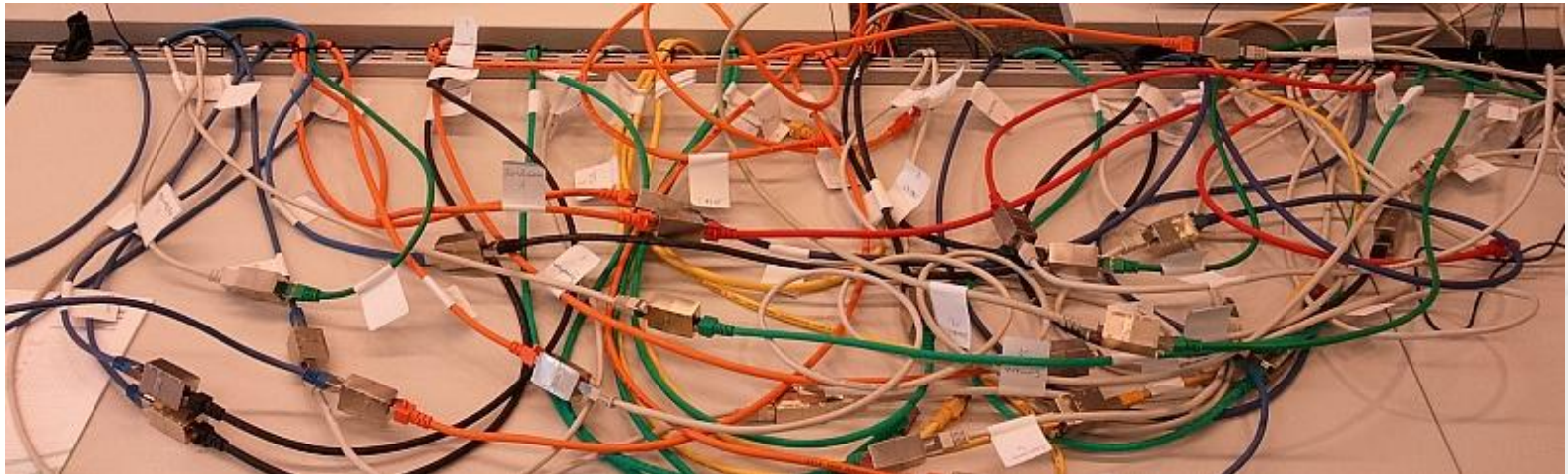
ADL Technical Team demos

- Sensors causing changes across virtual worlds
 - OpenSim
 - ADL “Sandbox”
- QR Code performance support app
- PlugFest app



Plug-n-Play Sessions

- LRS vendors provided test accounts
- Tools swapped LRSs to ensure interoperability
- Any discrepancies between systems will be addressed in an upcoming release to the spec

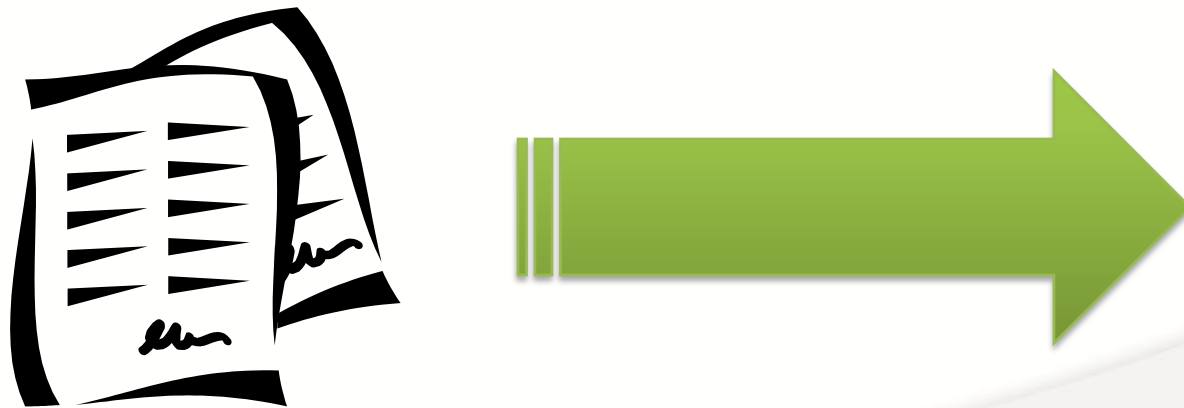


Technical Discussions

- Use of custom verbs and activity vocabularies
- Conformance of xAPI products
- Long term direction for the specification
 - Release cycles
 - Versioning of the specification (velocity, community participation, etc.)
 - Standards body transition

Specification Transition Needs

- Specification features should be stable
- Maintenance releases should be completed
- NATO and International partner support
- IP and usage rights (must be open, free use)



ADL Programming Resources

- <http://GitHub.com/adlnet>
 - Open source ADL Learning Record Store (LRS)
 - Example applications using xAPI
 - xAPI Code libraries
 - XAPIWrapper.js
 - verbs.js
 - Other community open source projects
- ADL's xAPI-Design Program
- ADL Website - <http://xapi.adlnet.gov>

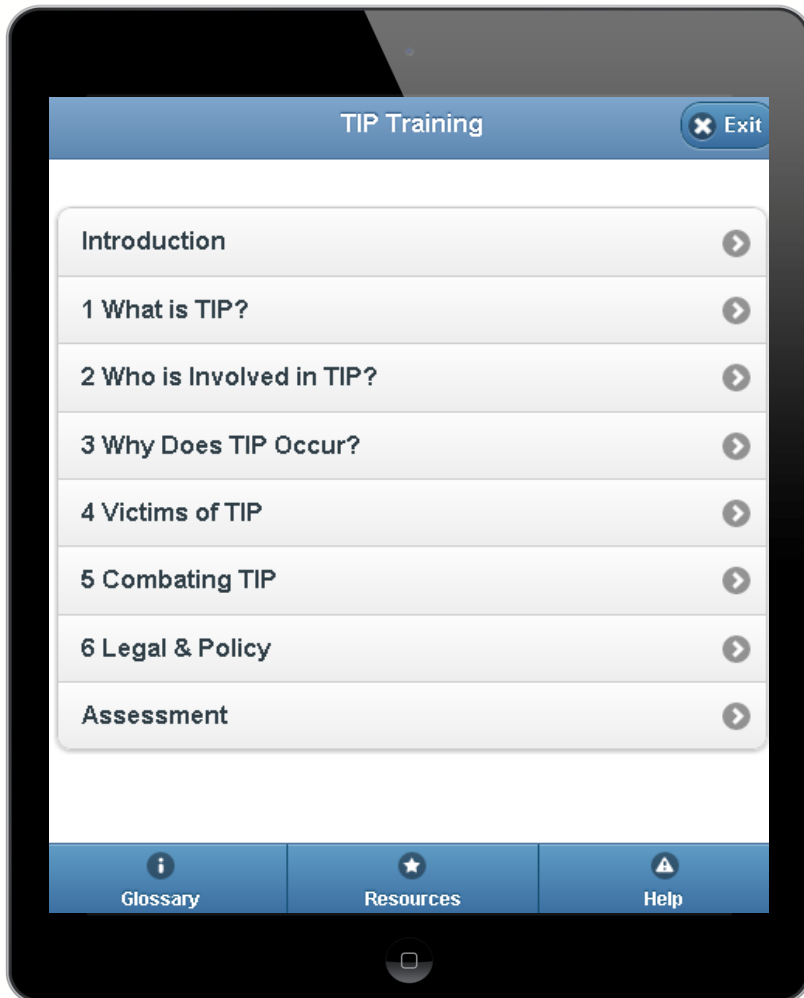


Tutorials with the ADL Tech Team

- 2 Hands-on coding sessions
- For technical and non-technical
- How-to:
 - Make <https://irs.adlnet.gov> test accounts
 - Use ADL's open source resources
 - Program with the xAPI
- Tutorials
 - HTML5 mobile App tracking
 - Reporting and analytics from PlugFest app



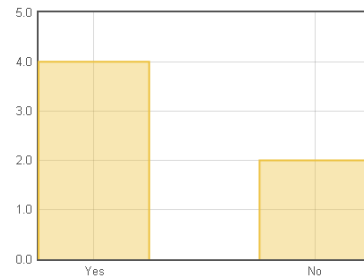
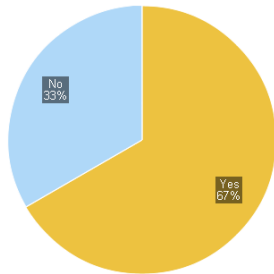
HTML5 Mobile App Tutorial



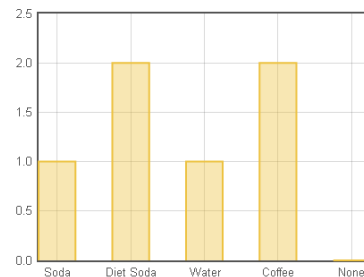
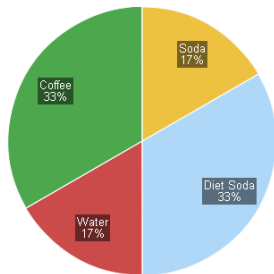
- Add xAPI tracking
- App, module, assessment completion
- Track glossary, resources, help files
- Add bookmarking
- Store progress in LRS
- Realize xAPI benefits

Reporting and Analytics Tutorial

Would you like chips with your sandwich (day 1)?



What type of drink will you enjoy with lunch (day 1)?








- Use data from 2 days at the conference
 - demo session ratings
 - lunch data
- Reports with graphs
- Display analytics for calorie count
- Build “leader board” for least AND most amount of calories

Analytics - Leader Board

12 total users of the system!

Top 5's!

Best Lunch Choices by Calories

	Name	Calories
	*Tom	*842
	Jono	994
	Hank Hill	1076
	Jerry Garcia	1204
	Gordon Ramsey	1305

Worst Lunch Choices by Calories

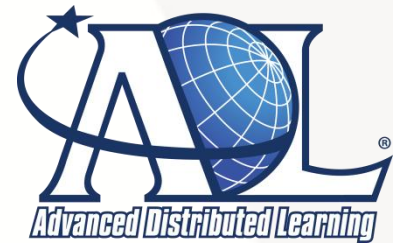
	Name	Calories
	Stevie Wonder	1474
	Gordon Ramsey	1305
	Jerry Garcia	1204
	Hank Hill	1076
	Jono	994

Analytics – Detailed Report

Lunch Selection Data

	Name	Bread Day 1	Sandwich Day 1	Chips Day 1	Drink Day 1	Bread Day 2	Sandwich Day 2	Chips Day 2	Drink Day 2	Calories
	Gordon Ramsey	White	Italian	Yes	Coffee	Wheat	A Wreck	Yes	Coffee	1305
	Hank Hill	Wheat	A Wreck	Yes	Water	Wheat	A Wreck	Yes	Water	1076
	Jerry Garcia	Wheat	Roast Beef	No	Diet Soda	Wheat	Roast Beef	No	Soda	1204
	Jono	White	Turkey Breast	Yes	Diet Soda	Wheat	Turkey Breast	Yes	Diet Soda	994
	Stevie Wonder	White	Italian	No	Coffee	White	Italian	No	Coffee	1474
	Tom	White	Not Answered	Yes	Soda	White	Turkey Breast	No	Soda	842

ADL's Role



- LRS development and hosting
- Develop testing requirements
- Develop open, public conformance testing software
- Participate in CMI5 and other efforts
- ADL Mobile Team - examples and pilot projects
- Community outreach
- Transition to accredited standards body
- Update DoDI 1322.26 to include reference to xAPI

What's Next?

- Work with community
 - Specification development
 - Conformance testing
 - Build a collection of “recipes” (example code)
- Integration with other projects
 - ADL research (Broad Agency Announcements)
 - Other community efforts (badges, registries)



Get Involved

- xAPI-Design Cohort #2 in January 2014
- xAPI PlugFest #2 in early 2014 - Stay tuned!
- Specification development
- ADL GitHub site
- Join or start your own open source project!



Questions?

- Nikolaus Hruska
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 - Twitter: [@nikolaushruska](#)
[@ADLTechTeam](#)
[@ADL Initiative](#)
- Webinar Resources:
<http://www.adlnet.gov/webinars/xapi-plugfest-1-review-webinar/>

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